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CHICAGO AREA TIMEX USERS GROUP

MEMORY MAP

C.A.T.U.G. CLUB OFFICERS

Here is the list of 1995 club officers and how to contact them.
Our   club   has   three   strong SIGS, TS2068, Z88 and QL. If you
have   questions about either of these fine machines, or even the
ZX81/TS1000/TS1500, call one of the officers.   C=312, S=708.

POSITION	NAME	PHONE	PRIMARY FUNCTION
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President	Nazir Pashtoon	S439-1679	The buck stops here...
Vice-President	Steve Cooper	S968-3553	Meeting Planning, etc.
Secretary	Larry Sauter	C763-5383	Records and Reporting
Treasurer	Phil Kwitkowski	S584-6710	Dues and Purchasing
Editor	Bob Swoger	S576-8068	Newsletter, BBS, etc.
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𝕽𝖎𝖙𝖊-𝕿𝖎𝖒𝖊𝖘 Information

The 𝕽𝖎𝖙𝖊-𝕿𝖎𝖒𝖊𝖘 𝕹𝖊𝖜𝖘 is the newsletter of the Chicago Area Timex Users Group. For an annual fee of $12.00 you can become a CATUG member and receive six newsletters each year. Write your check payable to:

**PHIL KWITKOWSKI
2106 DOVER LN
ST CHARLES IL 60174**

The Chicago Area Timex Users Group is pleased to exchange newsletters with other Timex and Sinclair supporting user groups at no charge. Send all newsletter requests to:

**CATUG EDITOR BOB SWOGER
613 PARKSIDE CIRCLE
STREAMWOOD IL 60107-1647**

If you desire to reprint any articles that appear here, please provide credit to the author and this newsletter.

We encourage your user group to copy this newsletter and distribute it at your regular meetings to your members free of any charge as we believe that this will encourage better meeting attendance. If you are a user group that feels as we do, please let us know in your newsletter so that we might do this for our members and keep our attendance up.

Articles originating from our group may be downloaded from our BBS and reprinted.

CLUB MEETINGS

The Chicago Area Timex Users Group meets on the THIRD Saturday, this month at the home of our Editor, Bob Swoger, from 1:00 to 5:00 PM. Bob's home is located at 613 Parkside Circle in Streamwood, Illinois near Elgin. Bob should always be contacted evenings at 708/837-7957 to confirm the meeting schedule.

TREASURY NOTE$

The balance as of Sept. 1, 1995 is $495.20 Our current paid membership stands at 19.

Phillip Kwitkowski, Treasurer
Chicago Area Timex Users Group

SECRETARY'S NotePad

July 15, 1995

Meeting began at approximately 3:10 P.M.

Members present: Abed Kahale, Larry Sauter, Bob Swoger, Gary Lessenberry, Cy Herre, Bobby Muth, Nazir Pashtoon, John Donaldson, and Phillip Kwitkowski

There is going to be a slight delay in getting the 3.5 inch disk drives mentioned last month due to a slight snafu. No problem, we can wait when the end result is rewarding.

Hugh Howie sent John Donaldson a QL disk. John had a hard time reading because it was a high density disk. Hugh sent another disk that John could read and it was an animation disk from Toronto made just before the Toronto club decided to quit the Sinclair scene. There are 111 variations of screens to enjoy with the various options. The program was by and from Milton Jones using Picture Master Plus.

Phillip went to a couple of fests. He just couldn't keep his hands off of bargains such as fill up this bag of software for $5.00.

Marie Kendoll called Bob to say she couldn't get the VU-Calc to large printer LogiCall utility to work. Bob loaded it up and can not get it to not work. Bob called her up and suggested she try VC2TAS.B1 until he find some remedy for her problem. We hope she will have success with Bob's 6.0 version of LogiCall. [The corrected VC2LP.B1 is in this issue. Ed.]

A motion was passed making Gary Lessenberry a lifetime member of C.A.T.U.G. with all privileges as such.

George Chambers wife passed away for which we offer him our condolences. He offered to send us his tape and disk collection for an appropriate fee and will send us some articles from the U.K. with the tapes and disks.

Bob is going to call Lee Thoresen and Mark Dorinson asking one of them to become the librarian for our club. They are not always able to be contacted on the phone.

Paul Holmgren sent John Donaldson 9 disks 5.25 inch in size on the provision that they be sold for $1.00 each and the proceeds be put in T/SNUG's treasury and an article advertising the sale be put in ZXir QLive Alive! pages. A small accounting of the sale of the disks was included in the letter.

Abed has the master copies of Sinc Link for inclusion in some body's library. It looks like John will take custody of the Sinc-Link masters.

The meeting was adjourned at 3:43 P.M.

August 19,1995

Because of many activities including preparation for the Dayton ComputerFest, there was no August meeting.

Larry Sauter, Secretary
Chicago Area Timex Users Group

GATOR's TWISTED PAIR

! ! S I N C L A I R   B B S ! !
We have a 24 hour BBS and encourage you to exchange mail and contribute to the Download Section. Use it and have fun!!

Call 708-632-5558 and Register using your first name, last name and phone number along with a password you won't forget, and WRITE IT DOWN! Do not try to do anything else this first time because all the board options will be locked out.

When you call in the next day, you will have Level 5 security and be able to enjoy full user privileges. The BBS has subdivisions of smaller sections called conferences. Select 'J' for 'Join a Conference' to see the different user groups. Select 'TIMEX' to get into the Sinclair Section. The mail you then read there will only be from other TIMEX/Sinclair users but all SIGs share the same bulletins.

Bob Swoger, SYSop --==GATOR==--
Chicago Area Timex Users Group

ITEMS FOR SALE THROUGH THE CLUB

NAP_Ware (Nazir A. Pashtoon's new endeavor) announces the availability of all Timex or QL PAL (Programmable Array Logic) chips. If interested, call him evenings on 708-439-1679.

SPECIAL DEALS AND BUYS

So you like to fly? The 747 Flight Simulator for Spectrum by Derek Ashton of DACC sold over 40K copies in EUROPE. Requires Spectrum Emulator. At this time supplied on LarKen SSDD disk only for $10 which goes to Derek Ashton, now working at MOTOROLA with Bob Swoger. Call in requests to Bob at W708-576-8068 H708-837-7957

ARTICLES

QXL NOTES '95
by
Al Feng

As of the beginning of July, the QXL's operating system (SMSQ) is at v2.57. The enclosure noted that the SDATE function now returns the proper date if input by the user. In previous versions, I observed that some $trings were prematurely truncated; and, though this is not mentioned as being corrected, it has been.

The video remains diminutive, though I recall that there was a note included with the distribution suggesting that the documentation on the pointer environment be consulted (Oh, really!?!).

The TURBO compiler still returns ERRORs when simple BEEP statements are included, among others.

DISK TAGs
There is a new feature starting (and, hopefully ending!) with SMSQ v2.57 -- DISK TAGs (my designation). The TAG consists of an additional label to the file header which identifies any valid, physical medium in the system with either "QDOS" or "MSDOS" followed by the medium's density (DD HD ED). This is either a blessing or a curse, depending on your point of view. The observant reader will note that "ED" disks are identifiable. I don't know if this is a carryover from SMSQ/E for the SUPER GOLD CARD, or if you can actually read/write to ED drives with a QXL. Of course, the latter would suggest a new, QXL-only, ED format since 2.88 meg capacity is NOT compatible with the (SUPER) GOLD CARD's 3.2 meg capacity.

One of the things that I really don't like about the TAG is that it gives a spurious label to the QXL's WIN()_ drives. The WIN()_ drives are tagged with "DD" since a separate provision was not made for WIN()_ drives such as "WD". Clearly, the operating system is looking for the "next" highest TAG, and failing to find one, it cycles back to the next possible option (i.e., DD). This will surely be "corrected" with the next release.

While the TAG may seem like a clever idea, in practice you will NOT find it difficult to quickly differentiate between directories unless you suddenly get into the strange habit of using the "dot" delimiter for EVERYTHING instead of the "underscore" that QDOS uses.

In an effort to "eliminate" the spurious "DD" tag on my QXL WIN()_ drives, I did try reformatting one of my partitions under the new SMSQ just in case there was a change in the FORMAT routine. The spurious label remained.

Consequently, the new versions of QLAMBer and QLuMSi have been re-coded to ELIMINATE the TAG.

TASKMASTER and QRAM
From what I can tell, TASKMASTER can NOT be run on a QXL. While there are some advantages to TASKMASTER over QRAM, I have always found the 'CTRL C(ascading)' toggle a much more convenient way to TASK Switch QDOS programs; and, QRAM's core code is bundled with the SMSQ operating system. Having said that, there was a query I read somewhere that I wish to address regarding bypassing the TASKMASTER's DATE setting routine [relevant to (SUPER) GOLD CARD users]. The key to bypassing TASKMASTER's DATE setting routine is to avoid it. Now that probably sounds "stupid", since that is precisely what those who are encountering THAT screen are trying to do.

4

So, how do you avoid the DATE setting routine?

Of course it was an accident that I discovered the solution to this vexing problem. In fact, I was perplexed the first time I loaded TASKMASTER and the DATE setting routine did NOT appear! A quick examination of the disk's DIRectory revealed the answer. If you look at the "Super_Boot" you will see that there are two related files: Last_Time & Set_Time.

So, the simple solution is to DELETE or RENAME (suggested) the two related files from your start_up disk and TASKMASTER will progress to its next phase. Now, I have to admit that I have some START_UP disks where this works, and other disks where TASKMASTER balks at loading. I haven't investigated why this happens; so, this may-or-may-not work for you.

SMSQ WIN()_ CORRUPTION
I had previously related an earlier-and-recurrent problem which I had thought might have been the result of my mis-use of the FDREAD and FORMAT programs (C. Hochstaetter) in concert with earlier versions of SMSQ. This might have been the case, but I now suspect that the problem lies elsewhere.

I have to say that this might be due to the SuperStor Data Compression, so I made contemporaneous backups of ALL the files, and then re-FORMATted the partition, re-compressed the drive, and they replaced the files from the tape that I had.

I then decided that the size allocation was larger than it had to be, so I re-FORMATted the WIN2_16 from the original 24 Megs. This house-keeping should have solved the problem; but, after some time, the WIN2_ became corrupted, AGAIN!

Well, AFTER the third re-FORMAT, I finally noticed that my WIN2_ drive had an "out-of-balance" sector count -- something like 51226/32768.

The problem is that the QXL.WIN file on DRIVE D: was still the original size! Oy! I cannot say exactly when this sector imbalance transpired. It may have become imbalanced immediately after the QDOS re-FORMAT to a smaller size; or, it may have occurred sometime thereafter. Either way, I might have noticed this sooner, if the net viewing area on a "regular" VGA monitor was larger than 9.5" diagonally.

So, the process was the same as previously noted:

1) determine which is the "last" readable file;

2) WCOPY all "good" files to another medium

3) exit to DOS

4) delete QXL.WIN from the associated DOS directory

NOTE: make sure you are in the proper drive for the particular WIN()_

        WIN1_ is on C:
        WIN2_ is on D:
        WIN3_ is on E:
        WIN4_ is on F:
            et cetera

5) return to SMSQ

6) FORMAT WIN()_megabytes_size

7) WCOPY files from your backup back to WIN2_ When in doubt, transfer files to a floppy disk since the WIN()_ might hang up on a "bad" file.

I was going to say that I hadn't had a recurrence of the WIN()_ corruption; but, a READ/WRITE problem did crop up a week ago when I got a "medium full" message with about 12 meg

of free space available. I'll keep you posted.

HAPPY TRAILS, AND COMPUTING, TO YOU ...

VU-CALC TO LARGE PRINTER BUG FIX
by
Bob Swoger

[Marie Kendoll of ZX-Appeal wrote asking me to look into the VC2LP.B1 program used to obtain large printer output of VU-CALC files. She found the program crashed when the spreadsheet was used vertically instead of horizontally. This not only inspired a fix but also this article.]

One of the many wonderful things about the TS2068 is that there has been so much written to inform the user how to use all the features and capabilities. The manual for it is more informative than manuals I've seen for other brands. The way the memory is mapped makes programming a pleasure. The system ROM is located between 0 to 16383. The rest of space up to 65535 is RAM. Moving RAMTOP down to hide machine code is done by simply giving the command CLEAR followed by the address of the last byte of RAM you wish the computer to know about.

The TS2068 manual tells us that if we want to display something on the screen, we just POKE something into the RAM space between address 16384 (16 X 1024) and 23296 (16384 + 6912) or print something to one of 768 screen locations.

Because TASWORD TWO is more like a line editor than a word processor, every character and space displayed on the screen is stored in predictable RAM locations. With the use of HEADER.B1 by Nazir Pashtoon for tape and Disk Doctor by George Chambers we find that the start address for TASWORD documents

33280. This is the address of the first character on the top left most character on the screen.

If we do not enter printer controls into a TASWORD TWO document, the location of each character printed on paper and screen is easily located in RAM. If we want to see the text just entered into TASWORD TWO, we know to look for as much as 300 lines of 64 characters per line starting at address 33280 in RAM. Since 300 lines of 64 characters is 19200 bytes (300 * 64), the last character would be at address 52479 (33279 + 19200). The sixth character on the fifth line would be at location 33541 found by: 33279 + (4*64)+ 6 = 33541

The following short program will display the first 10 lines of a TASWORD TWO named wpfile.Ct to the screen just as it appeared on the screen when you typed it into TASWORD in the 32 column mode:

```
10 RANDOMIZE USR 100: LOAD "wp
file.Ct" CODE 33280
20 FOR I=33280 to (33279+(10*6
4))
30 PRINT CHR$ PEEK I, 40 NEXT I
```

THIS WON'T WORK VERY WELL WITH MSCRIPT BECAUSE MSCRIPT LINES ARE OF INDETERMINATE LENGTH.

Now suppose you wanted to print out a portion of a VU-CALC spreadsheet to a large printer. Each VU-CALC cell is seven characters wide. There are 50 cells across. The address of the first character in the first cell is 34567. The address of the last character in the last cell in the first row is (34567 + (50 X 7)) or 34567 + 350. Since there are 50 rows, the last byte in the VU-CALC file is 50 * 350 or 17500 + 34567 or 52067.

As you can see, we can use simple calculations to locate where each byte of a VU-CALC

file and each byte of a TASWORD TWO file resides in RAM. Armed with this knowledge, we can write a program to move VU-CALC cell information directly to a Large Printer or into a TASWORD TWO file for further formatting.

Since the large printer can print only 10 columns with reasonable left and right margins rather than all 50 columns across the page, VC2LP asks you to choose the left most column to be printed. It then prints that column and the next 9 and all 50 rows below.

TASWORD, being capable of 64 characters in a row, allows us to load 9 VU-CALC columns (9 X 7 = 63) into a TASWORD TWO file using VC2TAS. The added advantage of doing this before printing is that the file can now be modified further for better readability of the spreadsheet. Since many of our spreadsheet applications don't require all nine columns there is usually room to improve the appearance of the printout by moving the columns apart and using complete words for headings rather than being limited to 7 characters.

The two programs, VC2LP.B1 and VC2TAS.B1, are both provided as part of the LogiCall ensemble of programs available from Mechanical Affinity and RMG for $15, their listings are provided below using $C2TAS.B1 described in the last issue of 𝕽𝖎𝖙𝖊-𝕮𝖎𝖒𝖊𝖘 𝕹𝖊𝖜𝖘 so that the listing will appear on your screen exactly as you see it here in print with no errors.

Thanks to Marie Kendoll for letting this writer know of a bug in an earlier version of VC2LP.B1

```
10 REM   --== VC2LP.B1 ==--
   WRITTEN BY ROBERT E. SWOGER
            1995 V1.4
20 REM  Prints VU-CALC files
        to a large printer.
```

```
30 CLEAR 34552: LET h=CODE "d"
: POKE 23658,0: POKE 23728,h
40 CLS : RANDOMIZE USR h: CAT
".Cv",
50 PRINT AT 16,0;'"This progra
m prints  9 columns &50 rows of
a  VU-CALC  file to alarge print
er.    You select theleft-most c
olumn.  You may Save,Quit or sel
ect drives 0-4 now."
60 INPUT "Name of file to prin
t? "; LINE g$
70 IF g$>="0" AND g$<="4" THEN
 RANDOMIZE USR h: GO TO VAL g$:
GO TO 40
80 IF g$="s" OR g$="S" THEN GO
TO 9990
90 IF g$="q" OR g$="Q" THEN GO
TO 9998
100 RANDOMIZE USR h: LOAD g$+".
Cv"CODE
110 IF PEEK 23728<>h THEN PAUSE
h: GO TO 30
120 REM R=VU-CALCs 50 ROWS
130 REM C=VU-CALCs 9 clmn/pg
140 REM V=VU-CALC doc start-1
150 REM S=First column to print
160 REM O=Offset to begin J
170 LET R=50
180 LET C=9
190 LET V=34572
200 REM Determine start column
210 INPUT "Start with what colu
mn? ";S
220 IF S<1 OR S>42 THEN GO TO 2
10
230 LET O=(S-1)*7
240 REM SET-UP LP driver
250 RANDOMIZE USR h: OPEN #3,"L
P"
260 RANDOMIZE USR h: POKE 16090
,72: REM Printer width
270 RANDOMIZE USR h: POKE 16094
,8:  REM Left margin
280 LPRINT
290 REM PRINT VU-CALC TO LP
300 FOR I=V+O TO (V+(50*350))-1
STEP 350
310 FOR J=1 TO 63
320 LPRINT CHR$ PEEK (I+J);
330 NEXT J
340 LPRINT
350 NEXT I
360 GO TO 9998
9992 RANDOMIZE USR h: SAVE "VC2L
P.B1" LINE 10
9998 RANDOMIZE USR h: LOAD "L.B1
"
```

```
10 REM   --== VC2TAS.B1 ==--
   WRITTEN BY ROBERT E. SWOGER
            1992 V1.2
20 REM Converts VU-CALC files
```

```
         to TASWORD 2 files.
  30 CLEAR 33279: LET h=CODE "d"
: POKE 23658,0: POKE 23728,h
  40 CLS : RANDOMIZE USR h: CAT
".Cv",
  50 PRINT '"This program create
s a  9 column50 row Tasword 2 fi
le from a VU-CALC file that can
be printed ona large printer.  Y
ou may selectthe left-most colum
n.    You maySave, Quit or selec
t drives 0-4."
  60 INPUT "Name of file to conv
ert? "; LINE g$
  70 IF g$>="0" AND g$<="4" THEN
 RANDOMIZE USR h: GO TO VAL g$:
GO TO 40
  80 IF g$="s" OR g$="S" THEN GO
TO 9990
  90 IF g$="q" OR g$="Q" THEN GO
TO 9998
  100 RANDOMIZE USR h: LOAD g$+".
Cv"CODE
  110 IF PEEK 23728<>h THEN PAUSE
h: GO TO 30
  120 REM R=VU-CALCs 50 ROWS
  130 REM C=VU-CALCs 9 clmn/pg
  140 REM I=Tasword doc start
  150 REM J=VU-CALC doc start
  160 REM S=First column to print
  170 REM O=Offset to begin J
  180 LET R=50
  190 LET C=9
  200 LET I=33280
  210 LET J=34573
  220 REM Determine start column
  230 INPUT "Start with what colu
mn? ";S
  240 IF S<1 OR S>42 THEN GO TO 2
30
  250 LET O=(S-1)*7
  260 LET J=J+O
  270 REM MOVE VU-CALC TO TASWORD
  280 PRINT #0;TAB 12; FLASH 1;"W
ORKING";
  290 FOR K=1 TO R
  300 FOR L=0 TO (7*C)
  310 POKE (I+L),PEEK (J+L)
  320 NEXT L
  330 LET I=I+64
  340 LET J=J+350
  350 NEXT K
  360 RANDOMIZE USR h: SAVE g$+".
CT"CODE 33280,((7*C)+1)*R
  370 GO TO 9998
9992 RANDOMIZE USR h: SAVE "VC2T
AS.B1" LINE 30
9998 CLEAR 6E4: RANDOMIZE USR 10
0: LOAD "L.B1"
```

ADS

FOR SALE   950501
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
MS-DOS/Windows items.   All
items   are   in   good   working
order   and   include manuals and
disks.
Note: All disks and manuals are
originals and not pirated.
==================================
Word Perfect 5.0   Terminal Plus
Global Domination   Space 1889
Chess Master 4000   CA Realizer
Timeworks publish-it
Visual BASIC V1.0
Visual BASIC/Norton prog. srs
VB How-to vol. 1 & 2
Learn Programming w/VB
Programmers intro. to VB
ST:TNG Screen Saver
Sherlock Holmes detective
Games Platinum f/Windows
Untouchable /Windows anti-virus
Fastback Express f/Windows
Dark Queen Krynn   Time 1990
Almanac Populous
QuickStart PC joystick
SEGA Genesis w/ 5 games
Windows resource kit
Time Table of arts & entert.
Time Works Multimedia Encyclop.
MS-Publisher   Dungeon Master
Conflict (War Game)
Chess Master 2100 ...Best Offer
Call: Carl Daugherty
       4630 Tacoma Avenue
       Lorain, OH 44055
216-277-5881   w/Best offer

WANTED   950420
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
LarKen Disk Drive Interface for
the TS2068.   Ferdinand Gunther
1307 Shaw, Moses Lake WA 98837

FOR SALE   950125
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
HARDWARE......
COCO3 512K W/KEYBOARD EXTENDER
COCO3 128K BRAND NEW NEVER USED
RS-232 DELUXE MODEM PACK W/CBL
DUAL DISK DRIVES (5.25" & 3.5")
W/DISKO DC-7 CONTROLLER
ADOS3 W/ORG. DISKS
SEGEATE 40 MEG H.D. W/ BURKE &
BURKE CONTROLLER (W/ CLOCK)
CASSETTE CCR-81 W/ CABLE
==============================
ROM-PAKS.(UNLIKELY ANY MANUALS)
.CHESS..RAD WARRIOR..TYPEMATE..
.SPECTACULATOR..EDTASM+..TETRIS
.SOKO-BAN..DOWNLAND...ROBOCOP..
.SUPER PITFALL....DRAGON FIRE..

.THEDXER(2).........MIND ROLL..
.SPRINGTER..CASTLE OF THAROGGAO
================================
Deluxe JOYSTICKS (&SPARE PARTS)
HARDRIVE IS LOADED WITH MOST
HARDRIVE SOFTWARE LISTED ABOVE,
PLUS MOST 'MV' PATCHES APPLIED,
CONTAINS 'SHELLPLUS', PLUS MANY
DOWNLOADED   SOFTWARE   FROM
DELPHI... I AM NOT SURE IF
SELLING THE H.D. AS IS WOULD BE
IN VIOLATION OF COPYRIGHT LAWS.
IF SO, I WILL DELETE EVERYTHING
EXCEPT THE OS9, MV AND BOOT
SETUP.
================================
SOFTWARE......
NOTE: THESE ARE ORIGINAL DISKS
(SOME WITH MANUALS)
================================
RS-DOS......
TCE PROOFREADER....KIDS ON KEYS
TCE BUSINESS WRITER......ADOS 3
EXTENDED ADOS3........COLORSCAN
COCO MAC III W/COLOR DRIVER....
WARRIOR KING........MINE RESCUE
SUPER TAPE/DISK TRANSFER..ROGUE
PRINT SPOOLER / ROMCRACK ..BASH
COLOR COMPUTER ARTIST..D.L.LOGO
LEISURE SUIT LARRY...SUB BATTLE
GHANA BWANA...MICRO ILLUSTRATOR
SHAMUS..CRYSTAL CITY..KIDWRITER
ALPHABET ZOO.........GOLDFINDER
DESERT RIDER.....UTILITIES DISK
MONEYOPOLY.....CARMEN SANDIEAGO
RAINBOW INDEXES (4 DISKS)..Z-89
MICKEY'S SPACE ADV......DISKMAX
FRACTION FEVER.......SEASTALKER
MARTYS NIGHTMARE..KINGQUEST III
DISK UTIL 2.1
T&D DISK #46
T&D DISK #50
T&D DISK #55
T&D DISK #56
T&D DISK #58
T&D DISK #4 UTILITIES
================================
OS9.....
OS9 LEVEL II..........SHELLMATE
LEVEL 2 TOOLS...........TOOLS 2
MULTI-VIEW............DESKMATE 1
ZCLOCK..QUICKLETTER..ICON BASIC
KRONIS RIFT..CYBERVOICE...M-RAM
HYPER I/O...........COCO XT-RTC
DONALD DUCK PLAYGROUND...XT-ROM
================================
MISC.....
COCO MAX II   (NOT WORKING?)
MISC. ISSUES OF RAINBOW FROM
1983 TO PRESENT - MISC RAINBOW
BOOKS (OS9 & RSDOS)
================================

WILL SELL ALL AS A BUNCH OR
INDIVIDUALLY - - MAKE AN OFFER.
CASHIER'S CHECK ONLY.
=================================
LEAVE MAIL ON DELPHI (RCPOLK)
Email rcpolk@delphi.com .... or
richp@comm.mot.com THANK-YOUCE

FOR SALE   950123
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
Memotech 32K RAMPACK - great
shape used a couple times then
somehow my machine died - now
if you have a ZX81 or T/S-1000
that needs it ...
!!!!!!!!!!!! ALSO !!!!!!!!!!!
MemoCalc Spreadsheet Pack Great
shape and sill works.   Want a
spreadsheet that's instant on?
Memocalc is for you! It'll use
whatever RAMPACK you have. This
is a great pair of products!
They both come with the little
booklet they give you with it.
I would like $15 each or $25
for BOTH! What a deal! Shipping
included!
D.G.Smith, R.415 Stone St.,
Johnstown PA 15906-1609
(814)535-6998. Thank you ;>

FOR SALE   950123
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
I also have a 'sort of' working
Atari 800XL with a DISK DRIVE!
The keyboard needs to be fixed
- when plugged in the computer
is dead and when you unplug it
it works (huh?)   I've a small
quantity of disks for above
system and some parts that seem
to   go   with   it - make a
reasonable offer above $45   U-
FIX and save [or send it to Dan
Elliot and he'll fix it CHEAP!]
D.G.Smith, R.415 Stone St.,
Johnstown PA 15906-1609
(814)535-6998. Thank you ;>

WANTED: 950123
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
Any screen dumps, drivers, or
programs permitting the use of
Radio   Shack   CGP-115   Color
Graphic Printer (4-pen plotter)
with the T/S 2068.   Tape, JLO,
or LarKen. ALSO: Looking for PC
Magazine, Volume 3   Number 23
Nov.27,1984?
D.G.Smith, R.415 Stone St.,
Johnstown PA 15906-1609
(814)535-6998. Thank you ;>

FOR SALE   950123
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
Tandy CoCo1 with Extended BASIC
and over 3 Dozen   (Rainbow/Hot
Coco or whatever) mags and some
Disks with a disk interface
that plugs into the cartridge
slot.   If have some tapes also
and manuals and other assorted
goodies.   I'm looking for at
least $80 for ALL - I even have
the color mouse and a hires
interface as well as a Videotex
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